

Class-5 → variables, constant/literal, keyword

Goal: 60% → 40%

①

Comments:

```
int sumOfEvenNo = 0;
```

* This variable is calculating
* Sum of all even inputs.

// Single line comment

/*

*/

→ multiline comment

/*

*/

→ comment
for document

- Statements → 100% compiler ignore ankur ji

- Near developer → 40% 20% 20% and code aur
ji



Code and Readability aur
ankur ji

#variables → get vary once it →

- named identifier



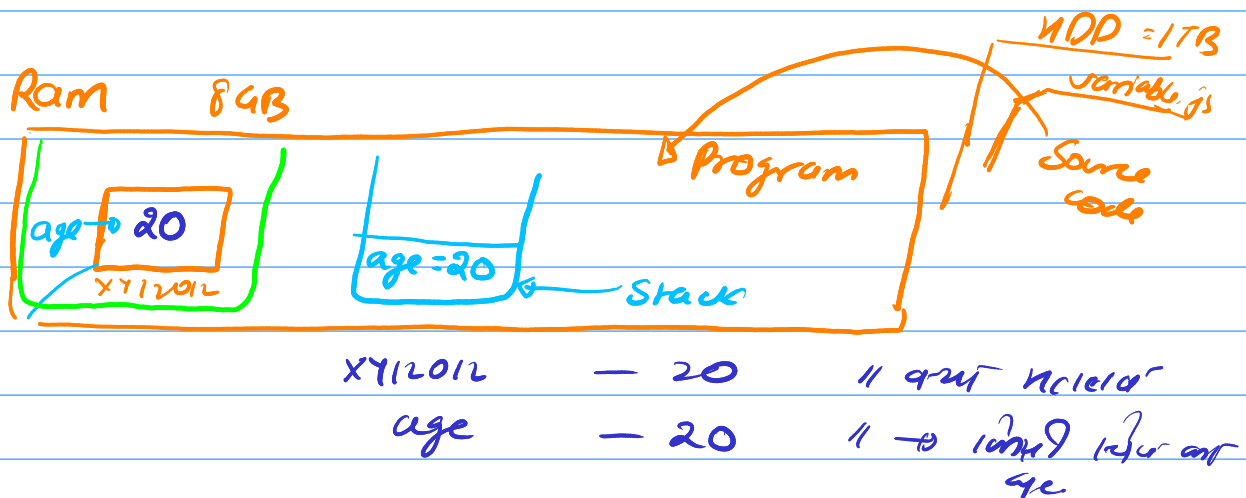
use to represent memory location



Where we store some
program's data.

ex

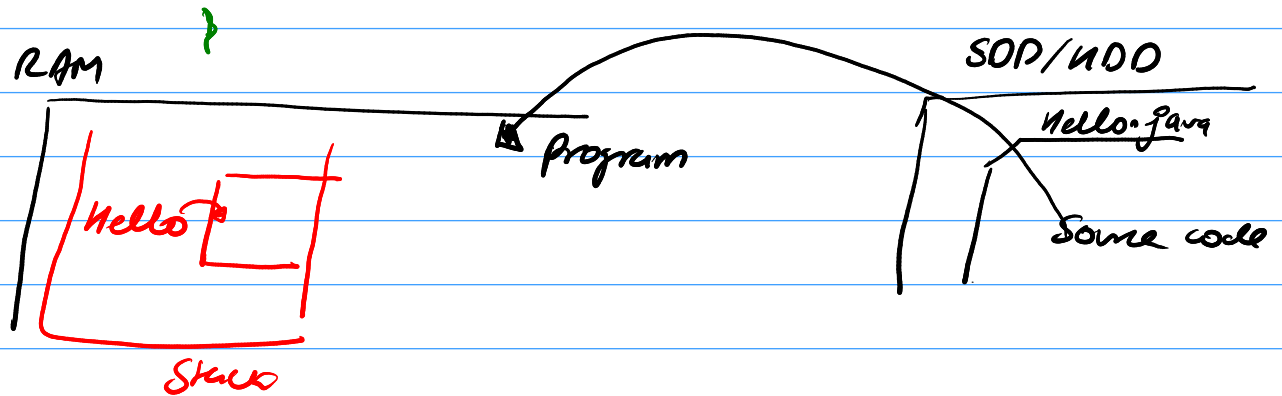
int a = 'a'; literal / constant / data
int age = 20; // Statement
 ↑
 variable / named identifier
 ↑
 datatype



public class Hello

Print x = 10;

String name = "Prigunshu";



- classname, variable, function name

Statically Typed

→ C++, Java

Print x = 10; X
✓

boolean x = true ✓

→ Variable type skill
while declaring variable
if it not
Compile Time error will occur

Dynamically Typed lang

→ JS, Python

① var x = 10
console.log(typeof x)
↳ Number

x = true;
console.log(typeof x)
↳ Boolean

at run time the automatic resolution of variable type happens

[# Literals / constants]

- data is used \rightarrow fixed value

eg

10	a	qnn	20.50	true
↓	↓	↓	↓	↓
Integer	Character	String	float	boolean
literal	literal	like	literal	literal

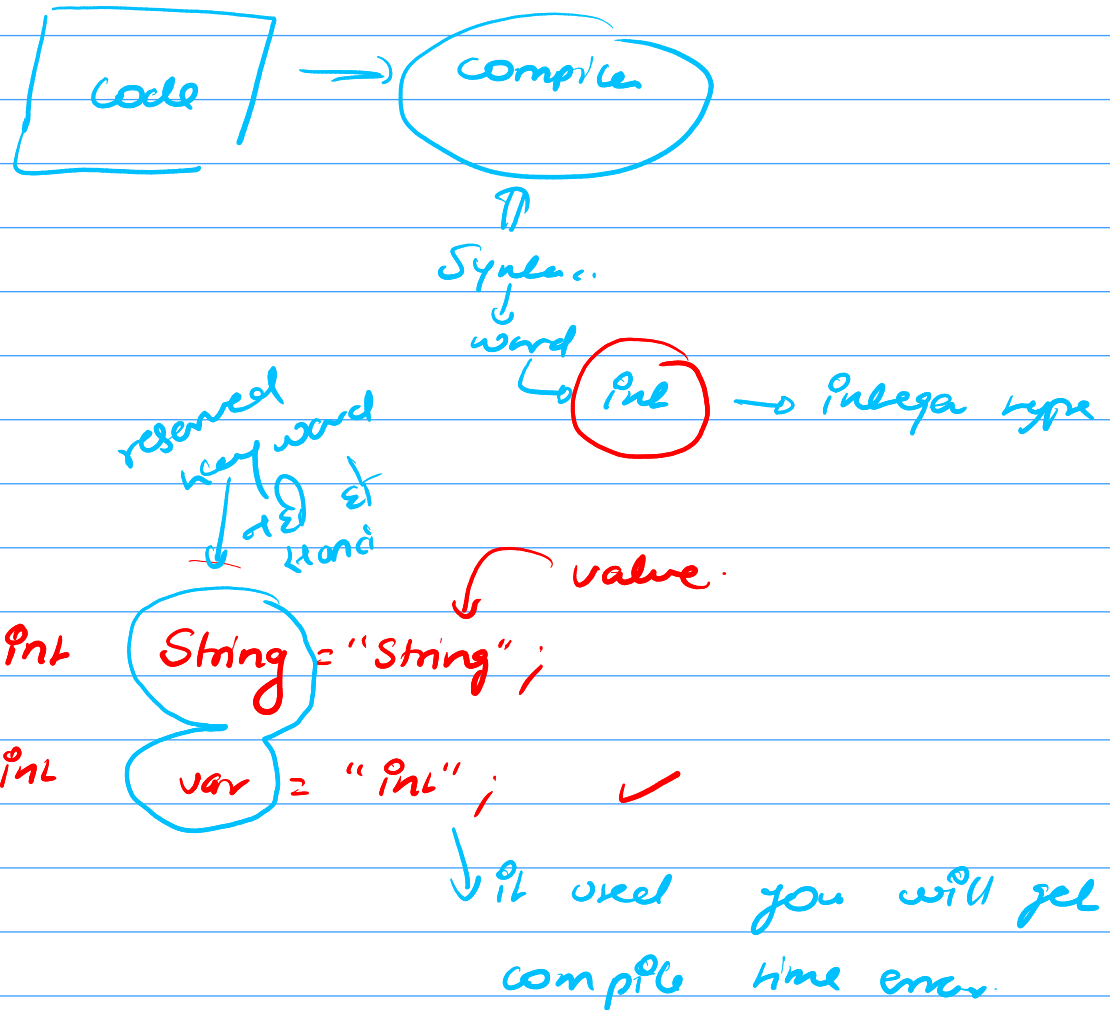
- true, false \rightarrow value [literal / constant]

boolean x = true;

char y = 'a';

#keywords

- predefined word in compiler



- [true, false, null] small case

boolean true = false; ✗

String false = null; ✗

[Escape Character]

Goal!

Hello

Dev

```
console.log("Hello\nDev");
```

Hello

Dev

```
System.out.println("Hello\nDev");
```

\n → new line

\ ← next character
of.

Character	String
u	aa ← String → more than 1 char
,	
"	
-	

\n	→	new line
\t	→	tabs
\r	→	carriage return
\f	→	form feed

"hello\nworld" = hello world.

"hi\bye" ⇒ hi _ bye.

"hi\r" = hi

"hi\b" ⇒ hi new line

Pending! - code ✓

- test (Research) → jshell use

Assignment

- re clear → class error 2/15

- jshell + code try again

feedback

↳ labor time

↳ labor detail

↳ labor code → error, skip/tough

Assignment
+ Review + re
15 sep

+ [DBMS + SQL + OS + CN] ⇒ course.

→ Assignment
C Java + Code Round (280)
⇒ MCQ, [JS, R, N, G, (P)]
P₂ P₁ → Adv ← Revs ← SD MCQ₂

Q1) diff b/w literal & named identifier

Q2) className, function are considered as identifier